

Title (en)
Graphical audio signal control

Title (de)
Grafische Audiosignalsteuerung

Title (fr)
Contrôle graphique du signal audio

Publication
EP 2485218 A2 20120808 (EN)

Application
EP 12154218 A 20120207

Priority
JP 2011025402 A 20110208

Abstract (en)
Signal processing section (100) of a terminal converts acquired audio signals of a plurality of channels into frequency spectra set, calculates sound image positions corresponding to individual frequency components, and displays, on a display screen, the calculated sound image positions results by use of a coordinate system having coordinate axes of the frequency components and sound image positions. User-designated partial region of the coordinate system is set as a designated region and an amplitude-level adjusting amount is set for the designated region, so that the signal processing section adjusts amplitude levels of frequency components included in the frequency spectra and in the designated region, converts the adjusted frequency components into audio signals and outputs the converted audio signals.

IPC 8 full level
G10H 1/36 (2006.01); **G11B 20/10** (2006.01); **H03G 5/02** (2006.01); **H04S 1/00** (2006.01); **H04S 7/00** (2006.01)

CPC (source: EP US)
G11B 20/10527 (2013.01 - EP US); **H03G 5/005** (2013.01 - EP US); **H03G 5/165** (2013.01 - EP US); **H03G 5/18** (2013.01 - EP US); **H04S 7/307** (2013.01 - EP US); **H04S 7/40** (2013.01 - EP); **G10H 2210/305** (2013.01 - EP US); **G10H 2220/116** (2013.01 - EP US); **G10H 2250/235** (2013.01 - EP US); **G11B 2020/10564** (2013.01 - EP US); **G11B 2020/10574** (2013.01 - EP US); **H04R 2430/01** (2013.01 - EP US); **H04S 7/305** (2013.01 - EP US); **H04S 7/40** (2013.01 - US); **H04S 2400/13** (2013.01 - EP US); **H04S 2420/07** (2013.01 - EP US)

Citation (applicant)
JP 3912386 B2 20070509

Cited by
CN105975149A; EP3020212A4; EP3719789A1; CN111800731A; US11089422B2; US9848266B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2485218 A2 20120808; **EP 2485218 A3 20120919**; **EP 2485218 B1 20190522**; JP 2012165283 A 20120830; JP 5703807 B2 20150422; US 2012201385 A1 20120809; US 9002035 B2 20150407

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EP 12154218 A 20120207; JP 2011025402 A 20110208; US 201213367696 A 20120207